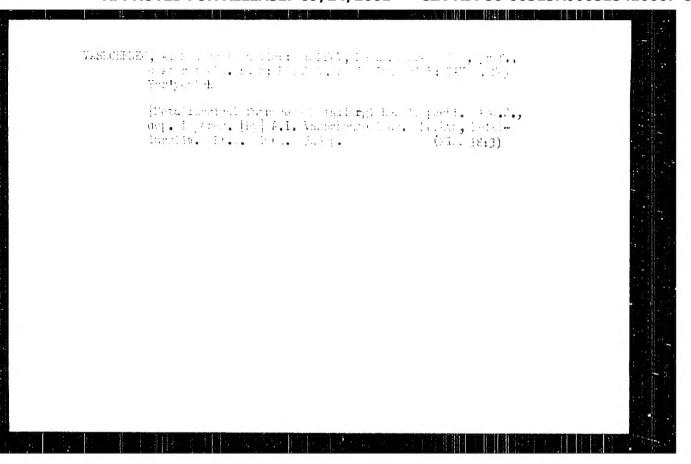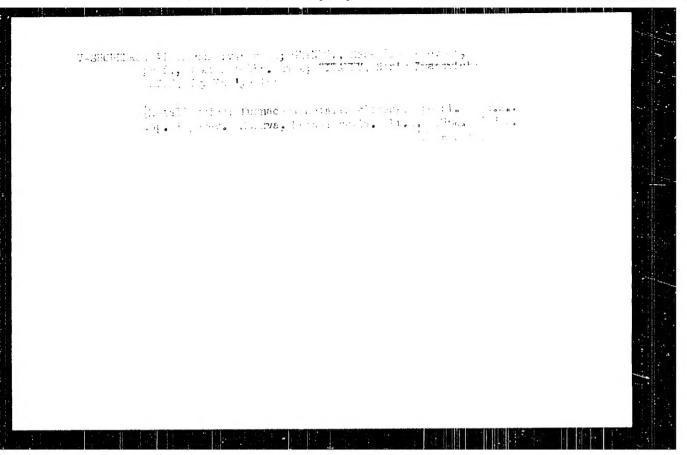GLINKOV, M.A., prof., doktor tekhn. nauk

Thermal processes in a steel smelting bath. Stal' 24 no.8:
689-693 Ag '64. (MIRA 17:9)

1. Moskovskiy institut stali i splavov.
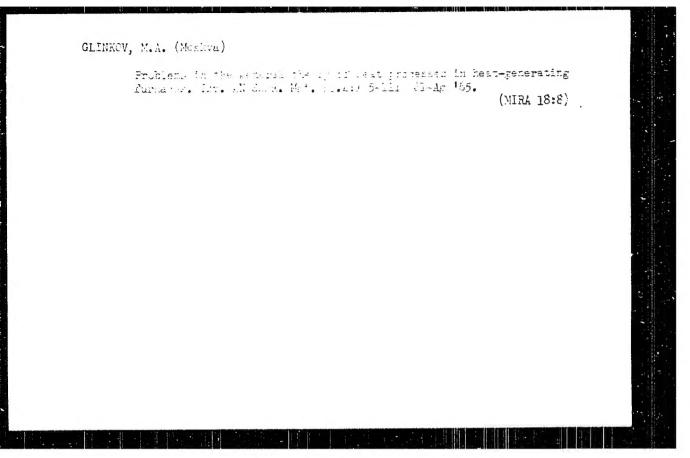
VASILCHENKO,

(ca. 18:3)

SECRET

GLUSHKOV, F.A., prof., dokter tekhn.nauk

The fluat to metein operatornts funssca, Ms a lg Tsk.,n.9-12
N '64.   (MIRA 18:2)

1. Moskovskiy Institut stali splanov.

YAVOYSKIY, V.I., otv. red.; ..GEL.., A.D., red.; ...P., Ye.A.,
        red.; GLINKOV, M.A., red.; ZA..II., Ye.M., red.;
        KAPUSTIN, Ye.A., red.; KO.RG, M.S., red.; KEDRIN, V.A.,
        red.; LAPITSKD, V.I., red.; LEVIN, S.L., red.; OYKS,
        G.N., red.; .CXXDE.., V.A., red.; UMRIKHIN, P.V., red.;
        FILIPPOV, S.I., red.

        [Theory and practice of the intensification of processes
        in converters and open-hearth furnaces; transactions]
        Teoriia i praktika intensifikatsii protsessov v konverte-
        rakh i martenovskikh pechakh; trudy. Moskva, Metallurgiia,
        1964. 552p.   (MIRA 18:10)
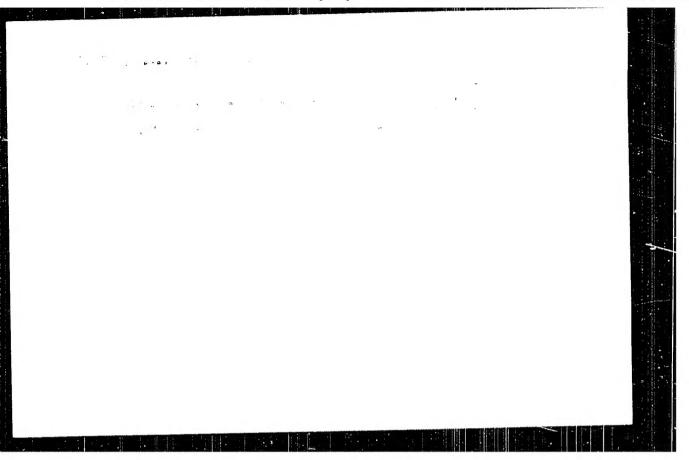
        1. Mezhvuzovskoye nauchnoye soveshchaniye po teorii i
        praktike intensifikatsii protsessov v konverterakh i mar-
        tenovskikh pechakh. 2. Moskovskiy institut stali i splavov
        (for Filippov). 3. Zhdanovskiy metallurgicheskiy institut
        (for Kapustin). 4. Ural'skiy politekhnicheskiy institut
        (for Umrikhin).

GLINKOV, M.A. (Moskva)

Problems in the research the ... of ... heat processed in heat-generating furnaces. Izv. AN ... M*. ...: 5-11: Ja-Ap '65.

(MIRA 18:8)

GLINKOV, M.A., KAGANOV, Yu.V., MAIZHAPOV, F.M., BLINOV, O.M.; MUGAFAR-SAMII, K.F.; MAGERRAM-ZADE, I.L.

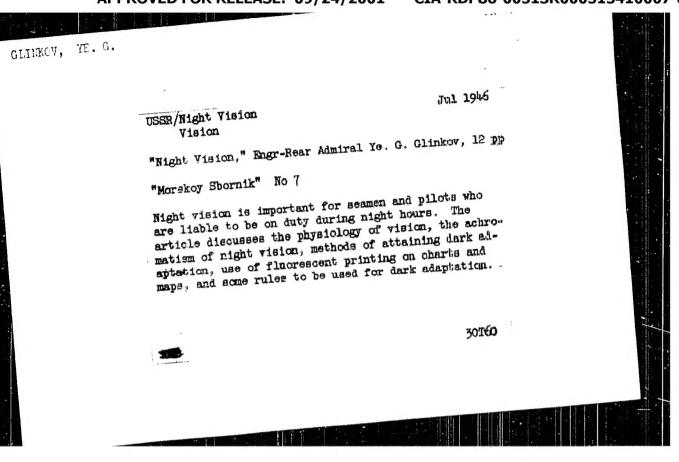Calculation method for obtaining current information on heat exchange processes in soaking pits. Izv. vys. ucheb. zav.; chern. met. 8 no.9:187-191 '65.   (MIRA 18:9)

1. Moskovskiy institut stali i splavov.

GLINKOV, YE. G.

Jul 1946

USSR/Night Vision
    Vision

"Night Vision," Engr-Rear Admiral Ye. G. Glinkov, 12 pp

"Morskoy Sbornik" No 7

Night vision is important for seamen and pilots who
are liable to be on duty during night hours. The
article discusses the physiology of vision, the achro-
matism of night vision, methods of attaining dark ad-
aptation, use of fluorescent printing on charts and
maps, and some rules to be used for dark adaptation.

30T60

GLINKOV

ISAKOV, I.S., prof., admiral flota v otstavke, otv.red.; SHULEYKIN, V.V., akademik, inzh.-kapitan 1 ranga, zamestitel' otv.red. po II tomu; DEMIN, L.A., dotsent, kand.geograf.nauk, inzh.-kapitan 1 ranga, glavnyy red.; ABANKIN, P.S., admiral, red.; VIZE, V.Yu., red.; GERASIMOV, I.P., red.; GLINKOV, Ye.G., inzh.-kontr-admiral, red.; DROZDOV, O.A., prof., doktor geograf.nauk, red.; ZOZULYA, F.V., vitse-admiral, red.; PAVLOVSKIY, Ye.N., akademik, general-leytenant meditsinskoy sluzhby, red.; POGOSYAN, Kh.F., prof., doktor geograf.nauk, red.; RUDOVITS, L.F., doktor geograf.nauk, red.; SKORODUMOV, L.A., kontr-admiral, red.; SHIRSHOV, P.P., akademik, red. [deceased]; BASHILOV, G.Ya., inzh.-kapitan 2 ranga, uchenyy sekretar'; SEREGIN, M.P., kapitan 1 ranga, red.kart; RYABCHIKOV, S.T., podpolkovnik, red.kart; YEGOR'YEVA, A.V., kand.geograf.nauk, red.kart; AVER'YANOVA, P.S., kand.geograf.nauk, red.kart; BUGORKOVA, O.S., red.kart; GAPONOVA, A.A., red.kart; DMITRIYEVA, T.V., red.kart; DOTSENKO, Ye.I., red.kart; KOLYUKOVA, L.G., red.kart; KONDZOVA, Ye.N., red.kart; LUKANOVA, L.S., red.kart; SMIRNOVA, V.G., kand.geograf.nauk, red.kart; CHECHULINA, Ye.P., red.kart; SHKOL'NIKOV, A.M., red.kart; GRIN'KO, A.M., tekhn.red.; IVANOVA, M.A., tekhn.red.; MOROZOVA, A.F., tekhn.red.

[Marine atlas] Morskoi atlas. Otv.red.I.S.Isakov. Glav.red. L.A. Demin. Izd. Morskogo general'nogo shtaba. Vol.2 [Physical geography] Fiziko-geograficheskii. Zamestitel' otv.red. po II tomu V.V. Shuleikin. 1953. 76 maps.   (MIRA 12:1)
1. Russia (1923- U.S.S.R.) Voyenno-morskoye ministerstvo. 2. Chlenkorrespondent Akademii nauk SSSR (for Vize, Gerasimov).
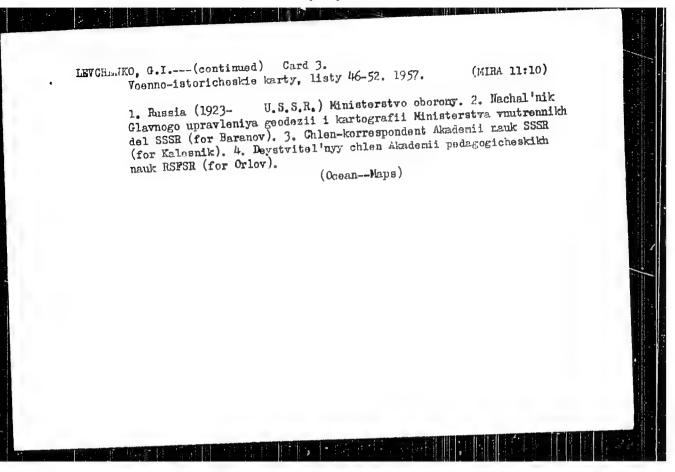   (Ocean--Maps)   (Harbors--Maps)

LEVCHENKO, G.I., admiral, otvetstvennyy red.; DEMIN, L.A., dots., kand. geogr. nauk, inzh.-kontr-admiral, glavnyy red.; FRUMKIN, M.S., polkovnik, zamestitel' otvetstvennogo red.; ABAN'KIN, P.S., admiral, red.; ALAFUZOV, V.A., prof., kand. voenno-morskikh nauk, admiral, red.; ANAN'ICH, V.Ye., kontr admiral zapasa, red.; ACHKASOV, V.I., kand. istor. nauk, kapitan 1 ranga, red.; BARANOV, A.N., red.; BELLI, V.A., prof., kontr-admiral v otstavke, red.; BESKROVNYY, L.G., prof., doktor istor. nauk, polkovnik zapasa, red.; BOLTIN, Ye.A., kand. voen. nauk, general-mayor, red.; VERSHININ, D.A., kapitan 1 ranga, red.; VITVER, I.A., prof., doktor geogr. nauk, red.; GEL'FOND, G.M., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red., GLINKOV, Ye.G., inzh.-kontr-admiral v otstavke, red.; YELISEYEV, I.D., vitse-admiral, red.; ZOZULYA, F.V., admiral, red.; ISAKOV, I.S., prof., Admiral Flota Sovetskogo Soyuza, red.; KAVRAYSKIY, V.V. [deceased], prof., doktor fiz.-mat. nauk, inzh.-kontr-admiral v otstavke, red.; KALESNIK, S.V., red.; KOZLOV, I.A., dots. kand. voenno-morskikh nauk, kapitan 1 ranga, red.; KOMAROV, A.V., vitse-admiral, red.; KUDRYAVTSEV, M.K., general leytenant tekhnicheskikh voysk, red.; LYUSHKOVSKIY, M.V., dots., kand. istor. nauk, polkovnik, red.; MAKSIMOV, S.N., dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; OKUN', S.B., prof., doktor istor. nauk, red.; ORLOV, B.P., prof., doktor geogr. nauk, red.; PAVLOVICH, N.B., prof., kontr-admiral v otstavke, red.; PANTELEYEV, Yu.A., admiral, red.; PITERSKIY, N.A., kand. voenno-morskikh nauk, kontr-admiral, red.; PLATONOV, S.P., general-leytenant, red.; POZNYAK, V.G., dots., general leytenant, red.; SALISHCHEV, K.A., prof., doktor tekhn. nauk,
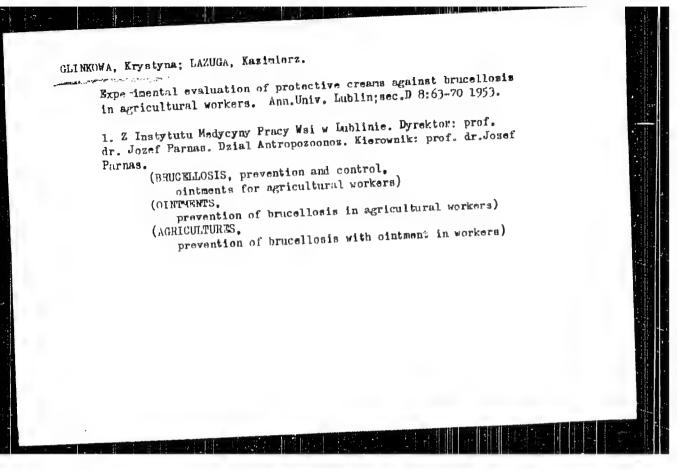
(Continued on next card)

LEVCHENKO, G.I.——(continued)   Card 2.
red.; SIDOROV, A.L., prof., doktor istor. nauk., red.; SKORODUMOV,
L.A., kontr-admiral, red.; SNEZHINSKIY, V.A., prof., doktor
voenno-morskikh nauk, inzh.-kapitan 1 ranga, red.; SOLOV'YEV, I.N.,
dots., kand. voenno-morskikh nauk, kapitan 1 ranga, red.; STALBO,
K.A., kontr-admiral, red.; STEPANOV, G.A. [deceased], dots., vitse-
admiral, red.; TOMASHEVICH, A.V., prof., doktor voenno-morskikh
nauk, kontr-admiral v otstavke, red.; TRIBUTS, V.F., kand. voenno-
morskikh nauk, admiral, red.; CHERNYSHOV, F.I., kontr-admiral, red.;
SHVEDE, Ye.Ye., prof. doktor voenno-morskikh nauk, kontr-admiral,
red.; CHURBAKOV, A.I., tekhn. red.; VASIL'YEVA, Z.P., tekhn. red.;
VIZIROVA, G.N., tekhn. red.; GOROKHOV, V.I., tekhn. red.; GRIN'KO,
A.M., tekhn. red.; KUBLIKOVA, M.M., tekhn. red.; CHERNOGOROVA, L.P.,
tekhn. red.; SVIDERSKAYA, G.V., tekhn. red.; BUKHANOVA, N.I., tekhn.
red.; GUREVICH, I.V., tekhn. red.; RADOVIL'SKAYA, E.O., tekhn.
red.; NIKOLAYEVA, I.N., tekhn. red.; BELOCHKIN, P.D., tekhn. red.;
red.; TIKHOMIROVA, A.S., tekhn. red.; ROMANYUK, I.G., tekhn. red.; YAROSHEVICH,
LOYKO, V.I., tekhn. red.; ROMANYUK, I.G., tekhn. red.; YAROSHEVICH,
K.Ye., tekhn. red.

[Sea atlas] Morskoi atlas. Otv. red. G.I. Levchenko. Glav. red.
L.A. Demin. [Moskva] Izd. Glav. shtaba Voenno-morskogo flota.
Vol.3. [Military and historical. Pt.1. Pages 1-45] Voenno-istori-
cheskii. Zamestitel' otv. red. po III tomu N.S. Frumkin. Pt.1.
Listy 1-45. 1958. ____ [Military and historical maps, pages 46-52]
                          (Continued on next card)

LEVCHENKO, G.I.---(continued)   Card 3.
Voenno-istoricheskie karty, listy 46-52. 1957.   (MIRA 11:10)

1. Russia (1923-   U.S.S.R.) Ministerstvo oborony. 2. Nachal'nik
Glavnogo upravleniya geodezii i kartografii Ministerstva vnutrennikh
del SSSR (for Baranov). 3. Chlen-korrespondent Akademii nauk SSSR
(for Kalesnik). 4. Deystvitel'nyy chlen Akademii pedagogicheskikh
nauk RSFSR (for Orlov).
                    (Ocean--Maps)

GLINKOWA, Krystyna; LAZUGA, Kazimierz.

Expe~imental evaluation of protective creams against brucellosis in agricultural workers. Ann.Univ. Lublin;sec.D 8:63-70 1953.

1. Z Instytutu Medycyny Pracy Wsi w Lublinie. Dyrektor: prof. dr. Jozef Parnas. Dzial Antropozoonoz. Kierownik: prof. dr.Josef Parnas.
        (BRUCELLOSIS, prevention and control,
            ointments for agricultural workers)
        (OINTMENTS,
            prevention of brucellosis in agricultural workers)
        (AGRICULTURES,
            prevention of brucellosis with ointment in workers)

K IVA K

Excerpta Medica Sec 17 Public Health Vol. 1/6 June 55

2267. GLINKOWA K. and LAZUGA K. Inst. med. Pracy Wsi, Lublinc. – Doś-
wiadczalna ocena wartości ochronnej kremów przeciw brucelozie dla robot-
ników rolnych. Experimental investigations on the efficiency
of protective creams against brucellosis for agricultur-
al workers ANN. UNIV. LUBLIN, SECT. D 1954, 8 1953 (63-70)

None of the creams put on trial offered reliable protection of the hands against
brucella infections. As an emergency measure a thick layer of protective cream
(containing streptomycin or sulphadiazin) may be helpful. The condition of the
skin of the hands should be carefully watched, as the slightest abrasion or burst
may serve as an entry port. For workers in the veterinary and zootechnical ser-
vices only rubber gloves guarantee protection.   From authors' summary

February 1:

CHURILIN, Nikolay Erastovich; GLINNER, R.G., nauchn. red.;
    KORGINA, L.A., red.

[Handbook on the organization and equipment of the
technological study room in enterprises for the produc-
tion of rubber goods; methodological textbook] Rukovodstvo
po organizatsii i oborudovaniiu tekhnologicheskogo kabi-
neta na predpriiatiiakh po proizvodstvu rezinovykh izdelii;
metodicheskoe posobie. Moskva, Vysshaia shkola, 1965, 74 p.
                                    (MIRA 18:7)

KOSTOMAROV, I.F.; POSYAK, A.A.; GLUKHIKOV, F.I.

Semiautomatic machine for the assembly and die casting of electric
motor rotors. Lit.proizv. no.2:20-21 F '70.   (MIRA 23:5)

(Die casting)   (Founding -Equipment and supplies)

GLINORYBOV, Yakov Il'ich, inzh.; OKHRIMENKO, Veniamin Antonovich, inzh..
Prinimal uchastiye: TEODOROVICH, B.A.. KHARCHENKO, A.F., otv.
red.; KOROLEVA, T.I., red.izd-va; KOROVENKOVA, Z.A., tekhn.red.

[Ways of increasing the effectiveness of underground hydraulic
coal mining] Puti povysheniia effektivnosti podzemnoi gidro-
dobychi uglia. Moskva, Ugletekhizdat, 1959. 205 p.
(MIRA 12:8)

(Coal mines and mining)   (Hydraulic mining)

GLINOV, V. A.

USSR/Chemistry - Dyes

Card   : 1/1   Pub. 116 - 9/20

Authors   : Krasovitskiy, B. M., Glinov, V. A., Matskevich, R. M. and Slavina, O. S.

Title   : On the substantiveness of dyes - benzanilide derivatives.

Periodical : Ukr. khim. zhur. 20, Ed. 4, 392 - 395, 1954

Abstract   : The effects of CO-NH grouping and amide grouping, having a non-substitut-
               ed H on the substantiveness of dyes - benzanilide derivatives -, were
               investigated. The material, necessary for the synthesis of the dyes, is
               described. The sharp drop in dye selectivity, due to the absence of the
               H-atom at the N-amide grouping, was determined on the basis of graphs.
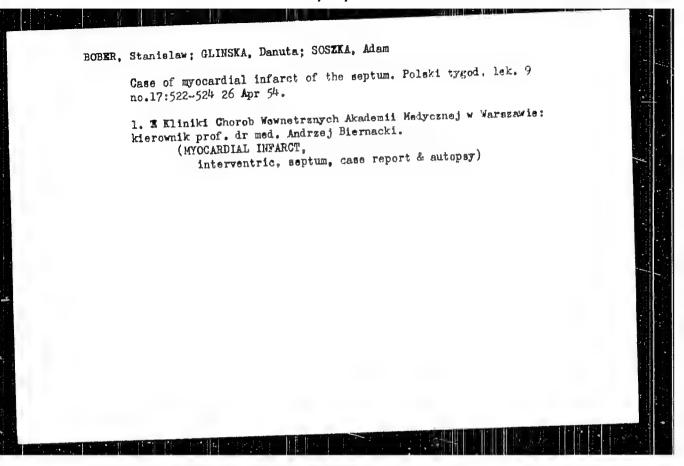   Four references: 2-USA; 1-German and 1-Italian (1921-1949).

Institution : The A. M. Gorkiy State University and K. E. Voroshilov Scient. - Research
               Institute of Organ. Semi-Products and Dyes, Kharkov

Submitted   : December 21, 1953

BOBER, Stanislaw; GLINSKA, Danuta; SOSZKA, Adam

Case of myocardial infarct of the septum. Polski tygod. lek. 9
no.17:522-524 26 Apr 54.

1. X Kliniki Chorob Wewnetrznych Akademii Medycznej w Warszawie:
kierownik prof. dr med. Andrzej Biernacki.
        (MYOCARDIAL INFARCT,
            interventric, septum, case report & autopsy)

GLINSKA, DANUTA

GLINSKA, Danuta; PIETRASZKIEWICZ, Eugeniusz.

No translation. Polskie arch. med. wewn. 25 no.1:81-87 1955.

1. Z klin. chor. wewn. A.M.W Warszawie: kier. prof. dr. med.
Andrzej Biernacki.
        (NEPHROSCLEROSIS
           Kimmelstiel-Wilson synd. pathol.)
        (DIABETES MELLITUS, complications
           Kimmelstiel-Wilson synd., pathol.)

BIERNACKI, Andrzej; CZARNIECKI, Wincenty; DORYWALSKI, Tadeusz, GLINSKA, Danuta; KOWALSKA, Maria; KROCKIEWSKI, Andrzej; SICINSKI, Alfred STASIAKOWA, Lucja, SZAJEWSKI, Janusz; WALASZEWSKA, Barbara

Remote results of concervative therapy of peripheral vascular diseases. Polskie arch.med. wewn. 28 no.5:771-778 1958.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Warszawie. Kierownik: prof. dr nauk med. A. Biernacki.
        (VASCULAR DISEASES, PERIPHERAL, ther.
              drug. ther., follow-up (Pol))

DORYWALSKI, Tadeusz; GLINSKA, Danuta; PRZETAKIEWICZ, Zbigniew, SZCZERBAN,
Jerzy

Novocain block in therapy chronic peripheral vascular diseases.
Polskie arch.med. wewn. 28 no.5:831-833 1958

1. Z I Kliniki Chorob Wewnetrznych A.M. w Warszawie Kierownik: prof.
dr nauk med. A. Biernacki i z I Kliniki Chirurgicznej A.M. w Warszawie
Kierownik: prof. dr med. T. Butkiewicz. Adres autora: Warszawa, ul.
Nowogrodzka 59, I Klinika Chorob Wewnetrznych A.M.
          (VASCULAR DISEASES, PERIPHERAL, ther.
               procaine block, statist. (Pol))
          (PROCAINE, ther. use
               block in peripheral vasc. dis., statist. (Pol))
          (ANESTHESIA, REGIONAL, in var. dis.
               procaine nerve block in peripheral vasc. dis (Pol))

DORYWALSKI, Tadeusz, GLIHSKA, Danuta

Treatment of chronic peripheral vascular diseases by intravenous typhoid vaccines . Polskie arch. med. wewn. 28 no.5:844-847 1958.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Warszawie Kierownik: prof. dr nauk med. A.Biernacki. Adres: Warszawa, ul. Nowogrodzka 59, I Klinika Chorob Wewn A.M.
          (TYPHOID FEVER, immunology,
               vaccine, ther. of peripheral vasc. dis. (Pol))
          (VASCULAR DISHASES, PERIPHERAL, ther.
               typhoid vacine (Pol))

KOWALSKA, Maria; GLIŃSKA, Danuta; WALASZEWSKA, Barbara

Analysis of the cases treated in the Outpatient Unit for Peripheral
Vascular Diseases of the 1 st Clinic for Internal Diseases of the
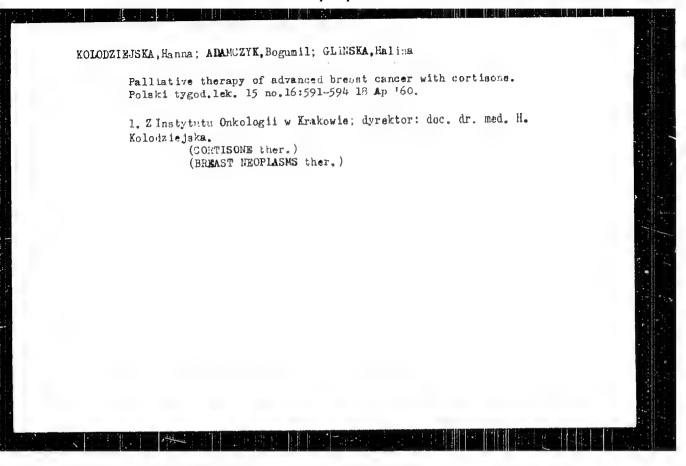Academy of Medicine in Warsaw. Polski tygod. lek. 14 no.22:1022-1025
1 June 59.

1. (Kierownik kliniki: prof. dr nauk med. A. Biernacki).
        (VASCULAR DISEASES, PERIPHERAL, statist.
            clin. statist. (Pol))

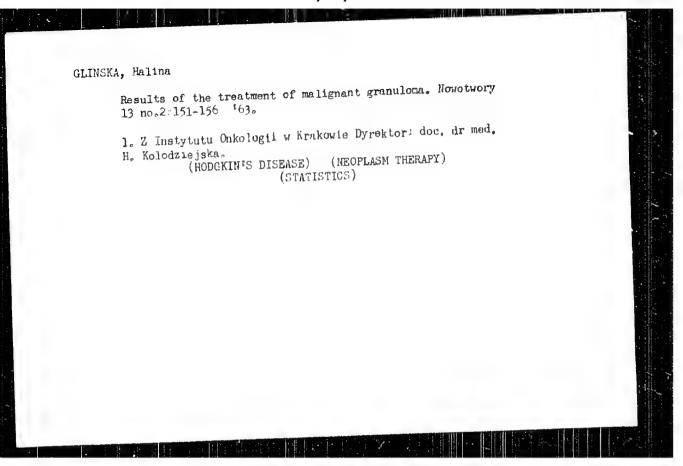KOLODZIEJSKA, Hanna; OSZACKI, Jan; GLINSKA, Halina

Management of lymph nodes in labial cancer according to observations
at the Institute of Oncology in Krakow. Polski tygod. lek. 11 no.34:
1481-1485 20 Aug 56.
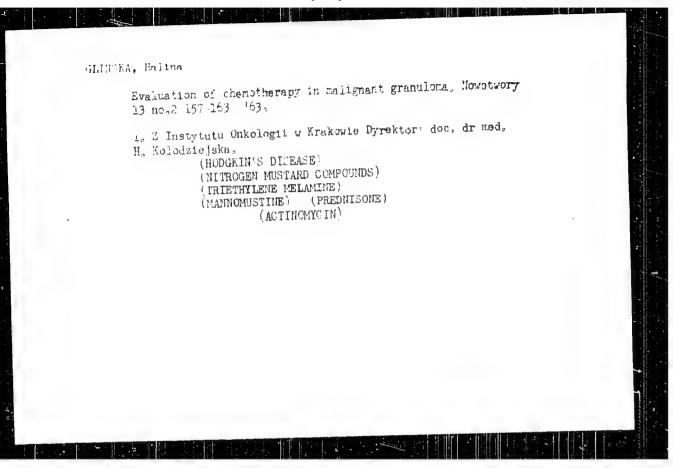
1. (Z Instytutu Onkologii, Oddzial w Krakowie; dyrektor: doc. dr.
med. Hanna Kolodziejska) Krakow, Instytut Onkologii.
     (LIPS, neoplasms,
          surg., submaxillary lymph node excis. (Pol))
     (LYMPH NODES, surgery,
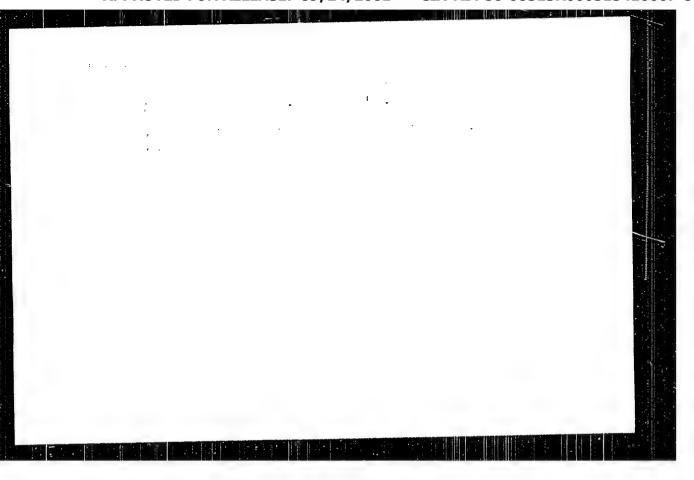   submaxillary excis. in cancer of lips (Pol))

EXCERPTA MEDICA, Sec 16 Vol 7/11 Cancer November 59

*4945. **The treatment of cancer of the breast by testosterone** Leczenie raka sutka testosteronem. GLINSKA H. Inst. Onkol., Oddz., Kraków *Nowotwory* 1959, 9 2 (145-155) Tables 6 Illus. 4

Testosterone treatment was applied in 37 cases with histologically confirmed cancer. Age of the patients was from 25-69 yr., 20 women being in the pre- and 17 in the post-menopausal period. Prior to the testosterone treatment, castration had been performed in all pre-menopausal and 7 post-menopausal women. Testosterone was administered daily (50 mg.) or every second day (100 mg.), the weekly dose amounting to 300 mg. The maximal dose was 14,000 mg.; no side effects were seen. Total or partial regression of the disease was observed in 9 patients, with inhibition of tumour growth in 4, and a negative result in 24 persons. Subjective improvement was noticed in 29 patients. The majority of patients with a period of tumour development shorter than 6 months remained unaffected, whereas among patients in which the development of cancer took more than 12 months the number of reacting and non-reacting persons was equal. In younger pre-menopausal women the proportion of negative and positive reactions was similar to that found in post-menopausal women. In pre-menopausal women the results were better in those who had been subjected to surgical castration than in those who had had X-ray intervention. It is likely that castration following the menopause does not influence the effect of hormonal treatment. Out of 8 women with distant metastases, an improvement was obtained in one case only, consisting in an almost complete regression of the tumour and calcification of osteolytic metastases of the pelvic bones; the duration of clinical improvement in this case amounted to 14 months. Among the remaining 7 women with osseous and pulmonary metastases, subjective transitory improvement was observed in 5 cases, none being found in cases with metastases in the liver. Histologically it was observed that the testosterone treatment brought about a transformation of massive cancer lesions into single, scattered cells with degenerative features consisting in a loss of stainability and condensation of nuclei. The results presented confirm the value of treatment using high testosterone doses in patients with advanced breast cancer.   Albert - Wroclaw (XVI, 9)

KOLODZIEJSKA,Hanna; ADAMCZYK,Bogumil; GLINSKA,Halina

Palliative therapy of advanced breast cancer with cortisone.
Polski tygod.lek. 15 no.16:591-594 18 Ap '60.

1. Z Instytutu Onkologii w Krakowie; dyrektor: doc. dr. med. H.
Kolodziejska.
        (CORTISONE ther.)
        (BREAST NEOPLASMS ther.)

GLINSKA, Halina

Results of the treatment of malignant granuloma. Nowotwory
13 no.2:151-156 '63.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr med.
H. Kolodziejska.
        (HODGKIN'S DISEASE)   (NEOPLASM THERAPY)
                    (STATISTICS)

GLIŃSKA, Halina

Evaluation of chemotherapy in malignant granuloma. Nowotwory
13 no.2 157-163 '63.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc, dr med.
H. Kolodziejska.
            (HODGKIN'S DISEASE)
            (NITROGEN MUSTARD COMPOUNDS)
            (TRIETHYLENE MELAMINE)
            (MANNOMUSTINE)   (PREDNISONE)
                  (ACTINOMYCIN)

KOLODZIEJSKI, Janus, ... med.; ILINSKA, Halina

Clinical characteristics of neoplasms of the lymphatic system.
Nowotwory 15 no.1:5-10 Ja-Mr'65.

1. Z Instytutu Onkologii w Krakowie (Dyrektor: prof. dr. med.
H. Kolodziejska).

GLINSKA, Halina

Value of chemotherapy in the treatment of malignant tumors.
Wiad. lek. 18 no.2:157-158 15 Ja '65

GLINSKA, Halina; PAWLICKI, Marek

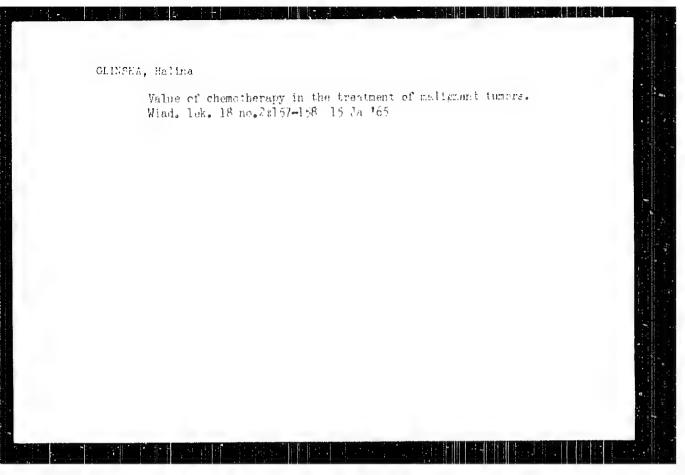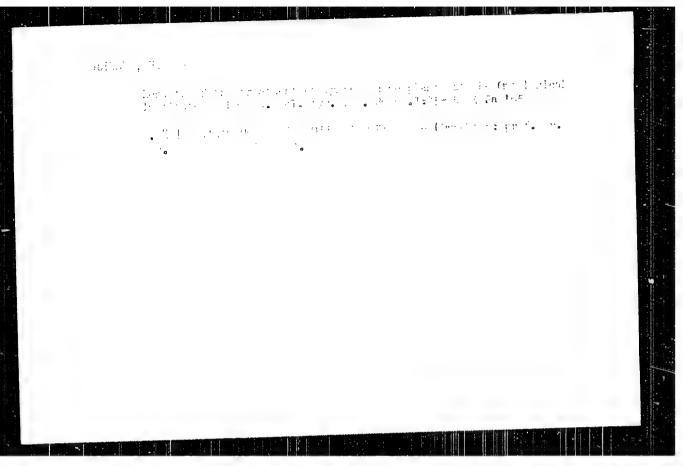Evaluation of palliative "methotrexate" therapy of breast cancer
in women. (Preliminary communication). Nowotwory 15 no.3:275-278
Jl-S '65.

1. Z Instytutu Onkologii w Krakowie (Dyrektor: prof. dr. med.
H. Kolodziejska).

GLINSKA, I

Production of tungsten carbide and cobalt powder. W. Rutkowski, B. Razumowski, and I. Glinska (*Prace Inst. Metal.*, 1952, 4, 153—160).—WC regenerated by fusion of scrap sintered carbides with Zn is found unsuitable for production of high-quality sintered carbides. Sintered WC prepared with addition of Co powder obtained from reduction of formate is of better quality than are those prepared with electrolytic Co.   S. K. Lachowicz.

DANIELEWICZ, J.;GLINSKA, Z.;GORALOWNA, M.;MEISLOWA, P.;STOPNICKA, M.

Observations on complications following oral administration of
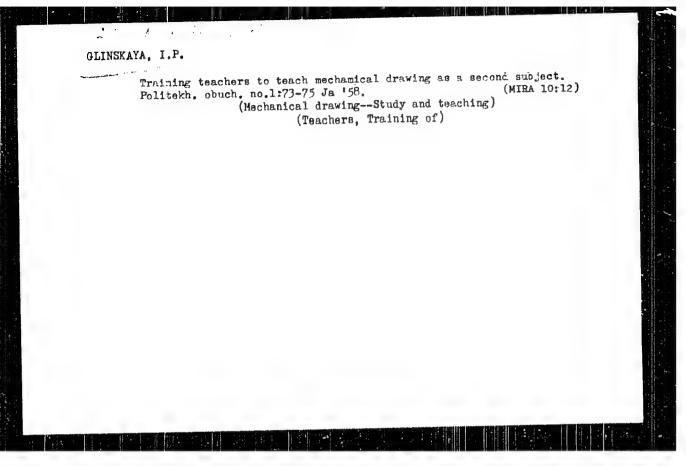BCG vaccine. Pediat. polska 27 no. 5:507-528 May 1952. (CLML 22:4)

GLINSKAS, I., agronom po zashchite rasteniy

Each farm will have its machinery operator. Zashch. rast. ot vred.
i bol. 7 no.3:14-15 Mr '62.   (MIRA 15:11)

1. Kedaynskoye oporno-pokazatel'noye khozyaystvo, Litovskaya SSR.
        (Kedainiai District--Plants, Protection of)

GLINSKAYA, I.P.

Training teachers to teach mechamical drawing as a second subject.
Politekh. obuch. no.1:73-75 Ja '58.   (MIRA 10:12)
            (Mechanical drawing--Study and teaching)
                    (Teachers, Training of)

GLINSKAYA, L. A., Cand Med Sci -- (diss) "Problem of the study of pro-
tein and protein fractions in blood serum of patients with bronchial
asthma." Leningrad, 1960. 9 pp; (First Leningrad Medical Inst im Acad-
emician I. P. Pavlov, Chair of Hospital Therapy, Chair of Biochemistry);
200 copies; price not given; (KL, 17-60, 168)

L 1156-66   EWT(m)/EPF(c)/EWP(j)/T   RPL   WW/RM

ACCESSION NR: AP5022007

UR/0286/65/000/014/0078/0078
678.744.72-134.567

AUTHOR: Ushakov, S. N.; Panarin, Ye. F.; Glinskaya, O. V.

TITLE: A method for producing copolymers of vinyl alcohol and vinyl mercaptan.
Class 39, No. 172993

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 78

TOPIC TAGS: vinyl alcohol, mercaptan, copolymer, polymerization

ABSTRACT: This Author's Certificate introduces: 1. A method for producing copoly-
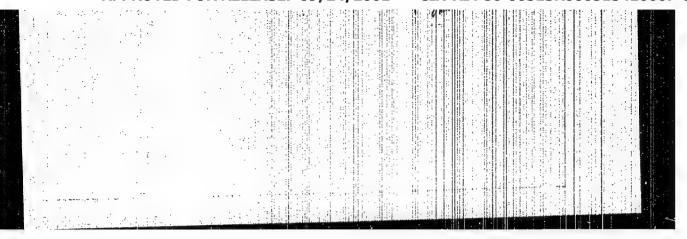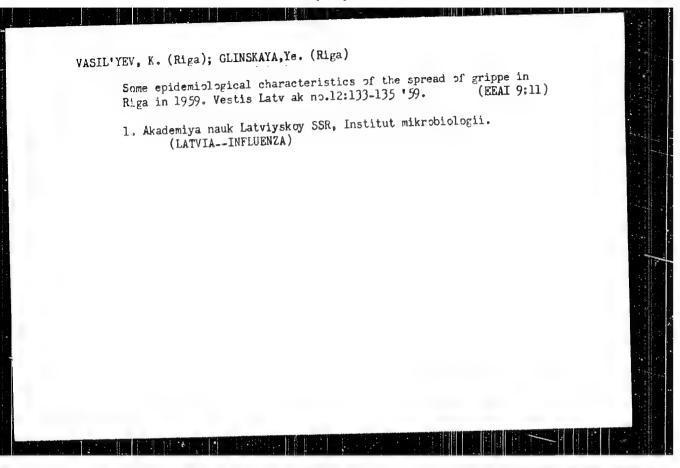mers of vinyl alcohol and vinyl mercaptan. Polymers of vinyl esters are treated
with hydrosulfides or sulfides of alkali metals in a solution of an inert organic
solvent with the application of heat. 2. A modification of this method in which
the composition of the copolymer is controlled by treating the vinyl esters in the
presence of a small quantity of water.

ASSOCIATION: none
SUBMITTED: 04Feb63   ENCL: 00   SUB CODE: MT, OC
NO REF SOV: 000   OTHER: 000

Card 1/1

VASIL'YEV, K. (Riga); GLINSKAYA,Ye. (Riga)

Some epidemiological characteristics of the spread of grippe in Riga in 1959. Vestis Latv ak no.12:133-135 '59.   (EEAI 9:11)

1. Akademiya nauk Latviyskoy SSR, Institut mikrobiologii.
(LATVIA--INFLUENZA)

GLINSKAJA, YE.P.

EXCERPTA MEDICA Sec.2 Vol.9/12 Physiology,etc. Dec 56

5552. GLINSKAJA E. P. *Accessory blood supply to the heart in
     animal experiments (Russian text) CHIRURGIJA (Mosk.) 1955,
     1 (18-21) Illus. 3
The possibility of achieving additional blood supply to the heart by grafting a flap
of intercostal muscle onto the epicardium was studied in 3 dogs and 27 cats. The
left 4th rib was resected and a 4 cm. long flap with posterior pedicle was con-
structed from the musculature of the 4th intercostal space and grafted onto the
epicardium over the left ventricle. Histological examination showed that an aseptic
inflammation developed in the muscle flap, reaching its height at about the 12th day.
At the end of the 3rd week the grafted flap and the myocardium had grown together
in such a way that the joint could no longer be distinguished. New capillaries, ori-
ginating from the intercostal artery included in the pedicle, formed alongside the
muscle fibres of the graft. When an incision was made in the epicardium at the
point at which the graft had been sutured to it, the formation of granulation tissue
and connective tissue accelerated and promoted the neoformation of capillaries.

GLINSKAYA, YE.P., kandidat med.nauk

The technic of suturing heart wounds. Vest.khir.75 no.6:98-100
Jl '55.   (MLRA 8:10)

1. Iz kafedry operativnoy khirurgii (zav.--prof. A.P.Nadein)
Gosudarstvennogo ordena Lenina instituta usovershenstvovaniya
vrachey im. S.M. Kirova. Leningrad, ul. Chaykovskogo,   d.33,
kv.34.
          (HEART, surg.
               suturing technic)
          (SUTURES
               in heart surg.,technic)

GLINSKAYA, Ye.P., zasluzhennyy vrach RSFSR

Strengthening a cardiac suture with an intercostal muscle graft.
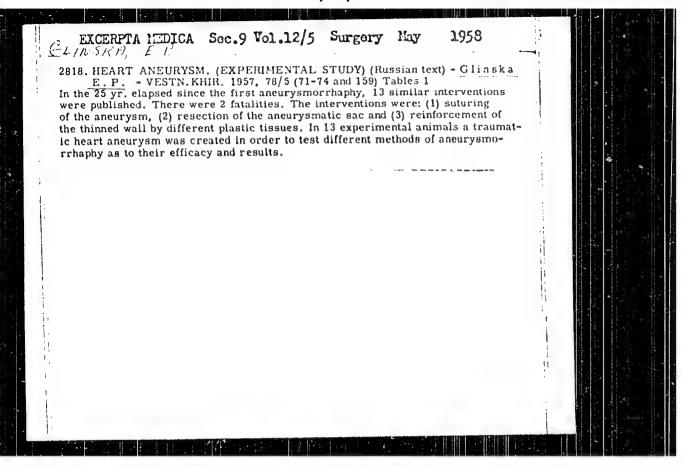Khirurgiia 32 no.8:61-64 Ag '56. (MLRA 9:12)

1. Iz kafedry operativnoy khirurgii (zav. - prof. A.P.Nadein)
Gosudarstvennogo ordena Lenina instituta usovershenstvovaniya vrachey
imeni S.M.Kirova.
       (HEART, surg.
              strengthenings of suture with intercostal musc. graft)
       (THORAX, musc.
              intercostal musc. graft in heart surg.)

EXCERPTA MEDICA Sec.9 Vol.12/5 Surgery May   1958

GLINSKA, E. P.

2818. HEART ANEURYSM. (EXPERIMENTAL STUDY) (Russian text) - G l i n s k a
    E. P. - VESTN. KHIR. 1957, 78/5 (71-74 and 159) Tables 1
In the 25 yr. elapsed since the first aneurysmorrhaphy, 13 similar interventions
were published. There were 2 fatalities. The interventions were: (1) suturing
of the aneurysm, (2) resection of the aneurysmatic sac and (3) reinforcement of
the thinned wall by different plastic tissues. In 13 experimental animals a traumat-
ic heart aneurysm was created in order to test different methods of aneurysmo-
rrhaphy as to their efficacy and results.

OLENSKAIA, V. P.: Doc Med Sci (diss) -- "Cardiac pulse (Transplacental Investigation)". Leningrad, 1959. 11 pp (First category Medical Institute for the Advanced Training of Physicians imeni S. M. Kirov), 200 copies (KL, No , 1959, 111)

GLINSKAYA, Ye.P., kand.med.nauk

Temporary fixation of the heart during surgery on it. Sbor. nauch.
trud. GIDUV no. 14:43-48 '58.   (MIRA 13:10)

1. Iz kafedry operativnoy khirurgii gosudarstvennogo instituta
dlya usovershenstvovaniya vrachey (zav. kafedroy prof. A.P.
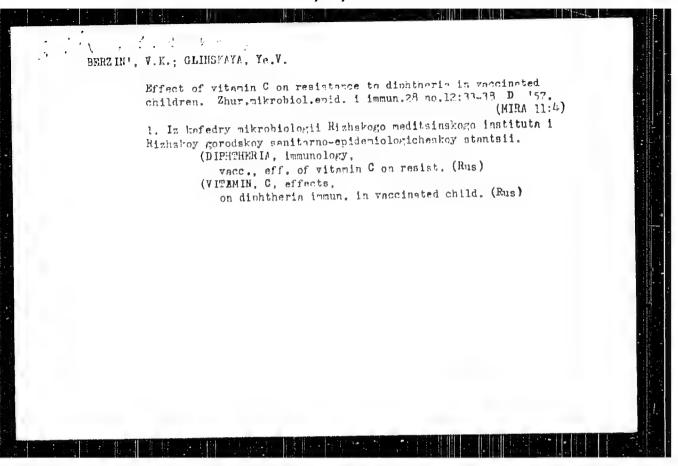Nadein).

(HEART--SURGERY)

GLINSKAYA YE V.

BERZIN', V.K.; GLINSKAYA, Ye.V.; KANEL', I.A.

Result of a mass Schick's test in determining immunity to diphtheria in children in Riga during 1951. Zhur.mikrobiol.epid. i immun. no.8: 76-79 Ag '54.   (MLRA 7:9)

1. Iz Rizhakogo meditsinskogo instituta (dir. prov. E.M.Burtniek) i Rizhskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach M.M.Popova)
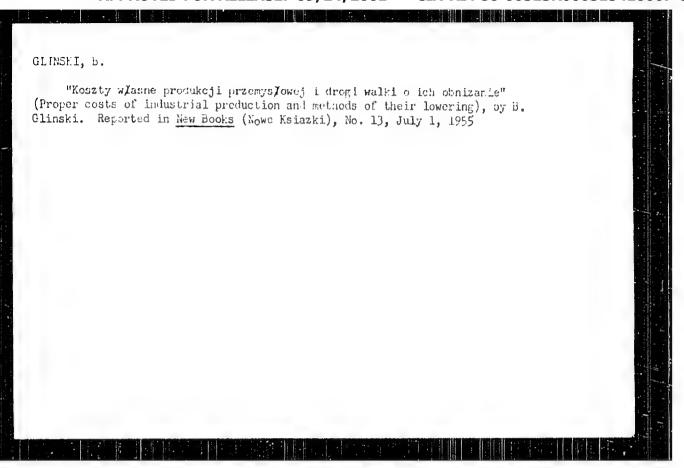   (DIPHTHERIA, immunology,
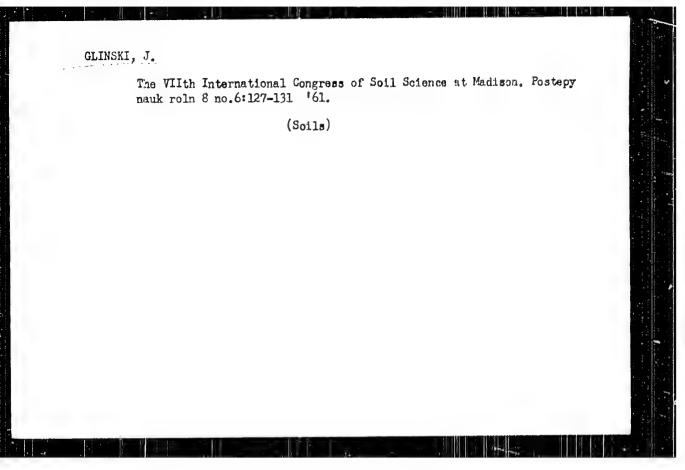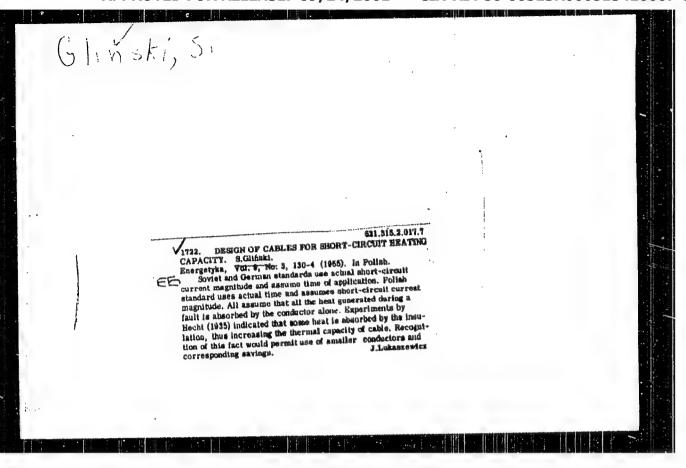   Schick test, results in Latvia)

BERZIN', V.K.; GLINSKAYA, Ye.V.

Effect of vitamin C on resistance to diphtheria in vaccinated
children. Zhur.mikrobiol.epid. i immun.28 no.12:33-38 D '57.
(MIRA 11:4)

1. Iz kafedry mikrobiologii Rizhskogo meditsinskogo instituta i
Rizhskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
        (DIPHTHERIA, immunology,
            vacc., eff. of vitamin C on resist. (Rus)
        (VITAMIN, C, effects,
            on diphtheria immun. in vaccinated child. (Rus)

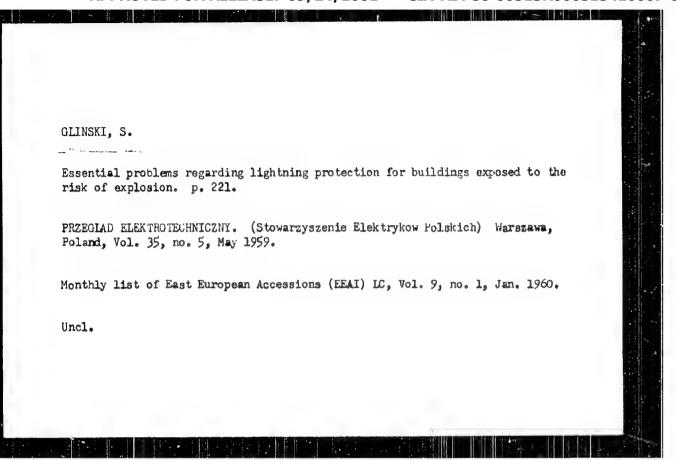BERZIN', V.K. [Berzin, V.]; GLINSKAYA, Ye.V.; CHERNINA, Ye.A.

Results of diphtheria control in Riga. Zhur. mikrobiol. epid. i immun. 32 no.7:129-132 Je '61. (MIRA 15:5)

1. Iz Rizhskogo meditsinskogo instituta i Rizhskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(RIGA—DIPHTHERIA- PREVENTION)
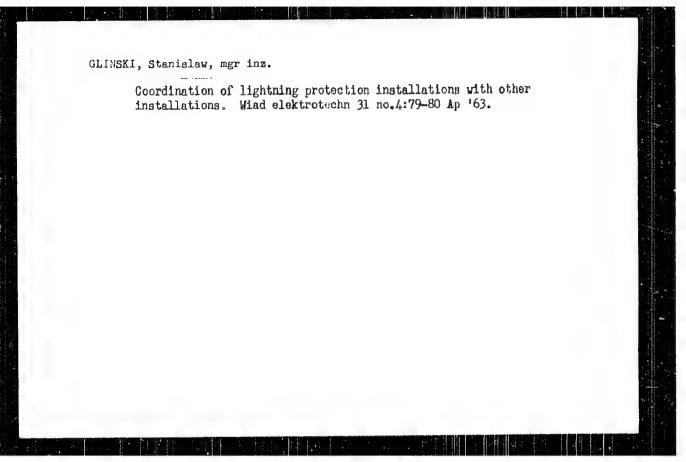
GLINSKI, b.

"Koszty własne produkcji przemysłowej i drogi walki o ich obnizanie"
(Proper costs of industrial production and methods of their lowering), by B.
Glinski. Reported in New Books (Nowe Ksiazki), No. 13, July 1, 1955

GLINSKI, J.

The VIIth International Congress of Soil Science at Madison. Postepy nauk roln 8 no.6:127-131 '61.

(Soils)

Gliński, S.

631.315.2.017.7

1722.   DESIGN OF CABLES FOR SHORT-CIRCUIT HEATING
CAPACITY. S.Gliński.
Energetyka, Vol. 9, No: 3, 130-4 (1965). In Polish.
     Soviet and German standards use actual short-circuit
current magnitude and assume time of application. Polish
standard uses actual time and assumes short-circuit current
magnitude. All assume that all the heat generated during a
fault is absorbed by the conductor alone. Experiments by
Hecht (1935) indicated that some heat is absorbed by the insu-
lation, thus increasing the thermal capacity of cable. Recogni-
tion of this fact would permit use of smaller conductors and
corresponding savings.   J.Lukaszewicz

GLINSKI, S.

Essential problems regarding lightning protection for buildings exposed to the risk of explosion. p. 221.

PRZEGLAD ELEKTROTECHNICZNY. (Stowarzyszenie Elektrykow Polskich) Warszawa, Poland, Vol. 35, no. 5, May 1959.

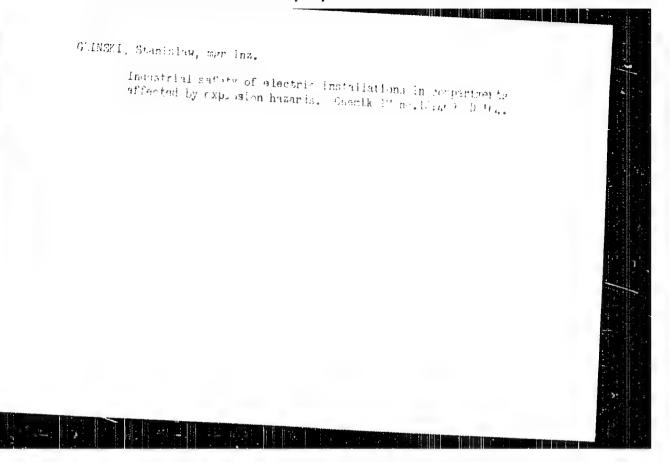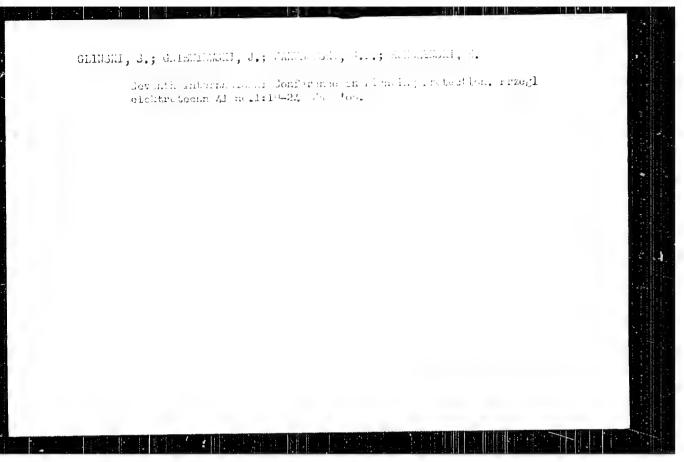Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

GLINSKI, Stanislaw, mgr inz.

Automation of electric power networks.   Przegl techn   no.2:4,
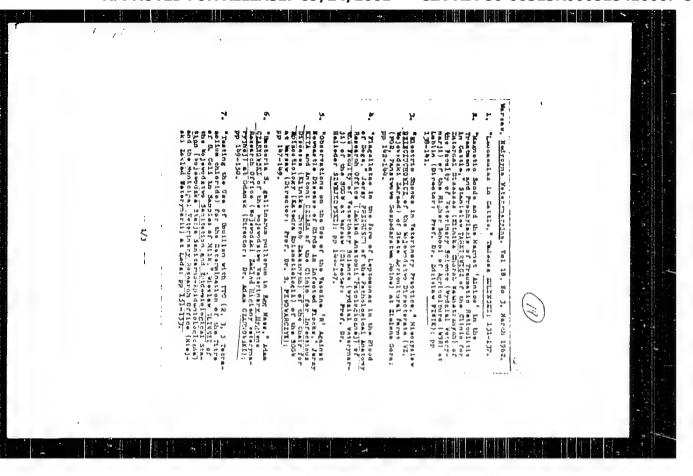10 Ja '62.

1. Komitet do Spraw Techniki, Warszawa.

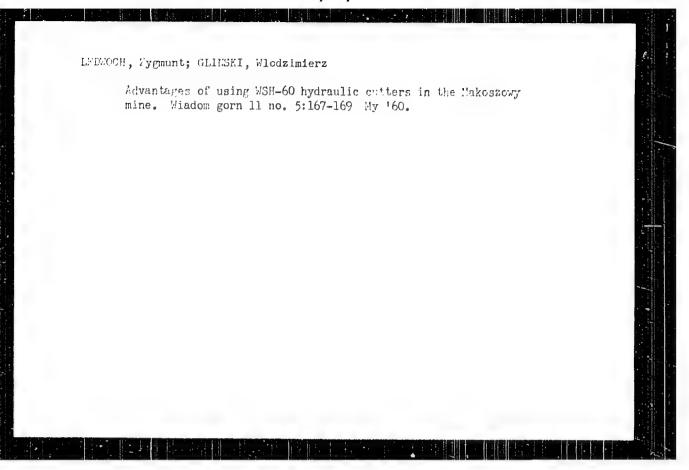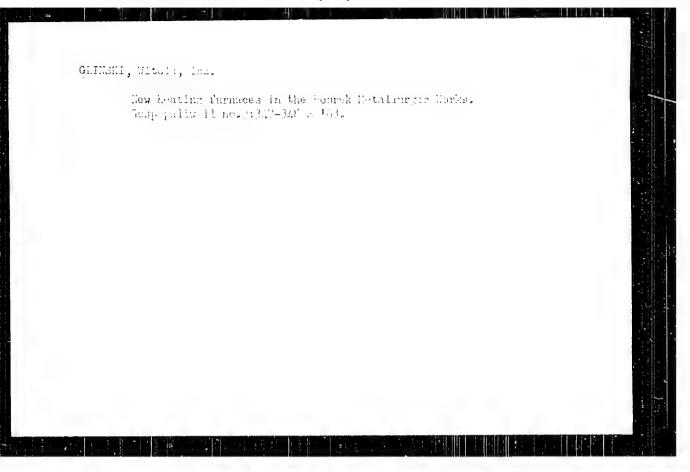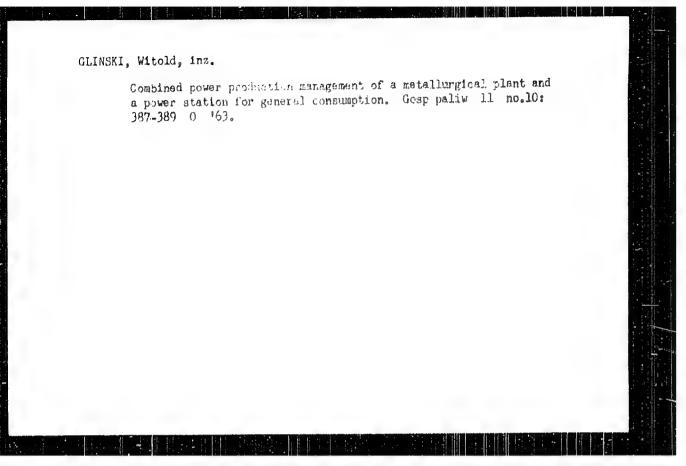GLINSKI, Stanislaw, mgr inz.

Coordination of lightning protection installations with other
installations. Wiad elektrotechn 31 no.4:79-80 Ap '63.

GLINSKI, Stanislaw, mgr inz.

Industrial safety of electric installations in compartments
affected by explosion hazards. Chemik 17 no.1:43-45 D '64.

GLINSKI, J.; GLISZCZYNSKI, J.; JANIELSKI, S...; KOWALSKI, S.

Seventh international Conference on Plasing intensile. Przegl
elektrotecnn 41 no.1:19-24, Ja '65.

GLINSKI, T.

Irregularities in ventilatory equipment. p.26
(OCHRONA PRACY; BEZPIECZENSTWO I HIGIENA PRACY, Vol. 12, No. 6, June 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

Warsaw, Medycyna Weterynaryjna, Vol 18, No 3, March 1962.

1. "Luxoemulsta in Cattle," Tadeusz BILKIEWICZ; 131-137.

2. "Magnetic Rods and the Magnet 'Alnico' in the Treatment and Prophylaxis of Traumatic Reticulitis in Cattle, Stanislaw PAZERICKI of the Clinic for Internal Diseases (Klinika Chorob Wewnetrznych) of the Faculty of Veterinary Science (Wydzial Weterynaryjny) of the Higher School of Agriculture (WSR) at Lublin (Director: Prof. Dr. Zdzislaw FITKE); pp 138-141.

3. "Electric Shocks in Veterinary Practice," Mieczyslaw BINKIEWICZ(?), of Wojewodztwo Veterinary State (Wojewodzki Zaklad) of State Agriculture(?) Farm (PGR Panstwowe Gospodarstwa Rolne) at Zielona Gora; pp 142-144.

4. "Tegalline in the Form of Leptosomes in the Blood of Dogs, Oskar(?) President(?) of the Pathological Anatomy Section (Zaklad Anatomii Patologicznej) (?), of the Faculty of Veterinary Science (Wydzial Weterynaryjny); pp 144-147.

5. "Observations on the Use of the Vaccine 'R' Against Neuritic Diseases of Ends in Infected Flocks, Jerzy ... (Dyrektor) ... of the Clinic for Infectious Diseases (Klinika Chorob Zakaznych) of the Chair for ... (...); pp 147-149.

6. "Bacteria ... (Salmonella pullorum in Egg Mass," Adam CZARNOWSKI of the Wojewodztwo Veterinary Hygiene Research Office (Wojewodzki Zaklad Higieny Weterynaryjnej) at Olsztyn (Director: Dr. Adam CZARNOWSKI); pp 149-150.

7. "Testing the Use of Doulion with TTC (2, 3, 5 Tetrazolium Chloride) for the Determination of the Fire of ... Cell in Samples of Milk, Wieslaw ... of the Wojewodztwo Sanitary and Epidemiological Station (Wojewodzka Stacja Sanitarno-epidemiologiczna) and the Municipal Veterinary Research Office (Miejski Zaklad Weterynaryjny) at Lodz; pp 151-155.

- i -

LYDMOCH, Zygmunt; GLINSKI, Wlodzimierz

Advantages of using WSH-60 hydraulic cutters in the Makoszowy mine. Wiadom gorn 11 no. 5:167-169 My '60.

GLINSKI, Witold, Inz.

New heating furnaces in the Bobrek Metallurgic Works.
Hutnik p.175 11 no. 7:327-340 Je '53.

GLINSKI, Witold, inz.

Combined power production management of a metallurgical plant and a power station for general consumption. Gosp paliw 11 no.10: 387-389 O '63.

BALCIKONYTE, S.; GLIUSKIENE, V.; BRAZAUSKAS, V.; KURTINYTE, ..;
STUKONIS, M.

Experience with combined preventive examinations for the
population. Sveik. apsaug. 8 no.5:38-43 '63.

1. Kupiskic rajono ligonine. Vyr, gyd. - G. Kurtinyte. Lith
Onkologijos m. t. institutas. Direktorius - med. m. kand,
A. Talycenas.
              (PREVENTIVE MEDICINE)   (HEALTH SURVEYS)

MEZHUYEV, S.F.; GLINSKIKH, V.A., starshiy elektromekhanik; MYASNIKOV, A.Ya., elektromekhanik; MAZUROK, V.S.

From the editor's mail. Avtom., telem. i sviaz' 4 no.1:44
Ja '60.   (MIRA 13:4)

1. Nachal'nik Aktyubinskoy distantsii signalizatsii i svyazi Kazakhskoy dorogi (for Mezhuyev). 2. Sverdlovskaya distantsiya signalizatsii i svyazi Sverdlovskoy dorogi (for Glinskikh). 3. Grodnenskaya distantsiya signalizatsii i svyazi Belorusskoy dorogi (for Myasnikov). 4. Starshiy inzhener proyektno-konstruktorskogo byuro "Metallurgavtomatika" (for Mazurok).
(Railroads--Communication systems)
(Railroads--Signaling)

GLINSKIKH, V.A.

Connecting cord for a ten-step selector. Avtom., telem.i sviaz' 4
no.2:32 F '60. (MIRA 13:6)

1. Strashiy elektromekhanik Sverdlovskoy distantsii signalizatsii i
svyazi Sverdlovskoy dorogi.
(Telephone, Automatic)

GLINSKIKH, V.A.

Requests of the participants of a railroad seminar. Avtom.,
telem. i sviaz' 7 no.6:40-41 Je '63.   (MIRA 17:3)

1. Starshiy elektromekhanik Sverdlovsk-Passazhirskoy
distantsii signalizatsii i svyazi Sverdlovskoy dorogi.

PHASE I BOOK EXPLOITATION

... konferentsiya proda ... i preposavoti ... ...

Primary source material on ... ...tch ... ... (Ultrason...
... in the Latest ... of Materials, no. 10) Moscow, Izd-vo
... ... 321 p. 3000 copies printed.

Ed. ... P. Gorelov, Professor, and R. B. Kudryavtsev, Professor.

PURPOSE: This ... ok is intended for physicists and engineers interested in
ultrasonic engineering.

COVERAGE: The collection of articles reviews present-day research in the
application of ultrasound in medicine, chemistry, physics, metallurgy, ce-
ramics, petroleum and mining engineering, defectoscopy, and other fields.
No personalities are mentioned. References accompany individual articles.

Card 1/...

.: .N5. . . .

PHASE I BOOK EXPLOITATION   SOV/5207

Vserossiyskaya konferentsiya professorov i prepodavateley pedagogicheskikh institutov.

Primeneniye ul'traakustiki k issledovaniyu veshchestva (Utilization of Ultrasonics for the Investigation of Matter) Moscow, Izd. MOPI, 1960. 267 p. 1,000 copies printed. (Series: Its Trudy, vyp. 11)

Ed. (Title page): V.F. Nozdrev, Professor and B.B. Kudryavtsev, Professor.

PURPOSE: This collection of articles is intended for physicists specializing in the physics of ultrasound.

COVERAGE: The collection of articles constitutes the transactions of the VII Conference on the Applications of Ultrasonics to the Study of Materials, which was held at the Moscow Oblast Pedagogical Institute imeni N.K. Krupskaya. Individual articles of the collection discuss various problems in the wave mechanics of ultrasound, the absorption and the propagation mechanics of ultrasonic waves in various media, the operating principle and design of generators and receivers of ultrasonic waves, the speed of sound and methods for its determination. Other articles deal with the applications of ultrasonics to investigations of the properties of materials. No personalities are mentioned. References accompany each article.

Card 1/7

Utilization of Ultrasonics (Cont.)   SOV/5207

TABLE OF CONTENTS:

Card-2/7

Utilization of Ultrasonics (Cont.)   SOV/5207

S/058/62/000/004/082/163
A061/A101

AUTHORS: Nozdrev, V. F., Glinskiy, A. A.

TITLE: Similarity between the coefficients of absorption and ultrasonic
                velocities and the thermal capacity ratio, measured by the satura-
                tion characteristic in organic liquids and their superheated vapors
                in the critical region

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 39, abstract 4G326 (Sb.
                "Primeneniye ul'traakust. k issled. veshchestva", no. 12, Moscow,
                1960, 81-85)

TEXT: It is shown that the ratio of similitude $x/x_n = f (T/T_{cr}; A)$, where
T/T_{cr} is the reduced temperature and A is the determining criterion, is satis-
fied for the sound velocity absorption coefficient and for the thermal capacity
ratio near the critical temperature. However, a similarity of C_V is not
observed.

[Abstracter's note: Complete translation]

Card 1/1

S/081/63/000/002/002/088
B180/B186

AUTHOR: Glinskiy, A. A.

TITLE: Ultrasonic wave propagation in fluids at temperatures
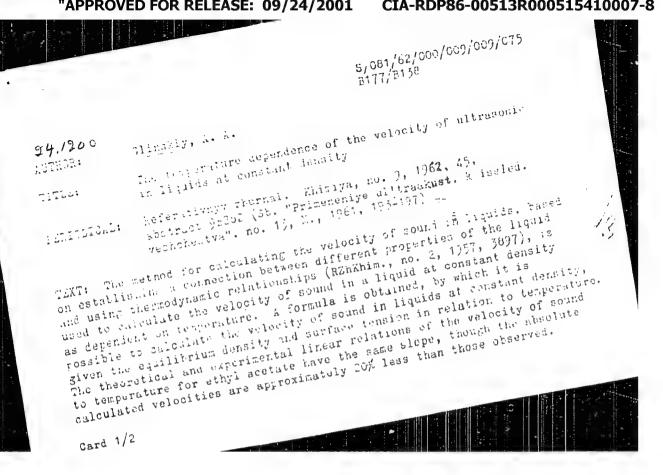   around the critical point

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 48,
                abstract 2B285 (In collection: Primeneniye ul'traakust.
                k issled. veshchestva, no. 15, M., 1961, 91-96)

TEXT: A procedure based on thermodynamic relations is suggested for
calculating the sonic velocity around the critical point. The calculated
figures are compared with experimental data for sulphur sesquifluoride
and show a divergence of at least 24%. The sonic velocity, which increased
with temperature, diverges considerably from the experimental data in the
superheated steam range. [Abstracter's note: Complete translation.]

Card 1/1

S/081/62/000/009/009/C75
B177/B138

94.1200

AUTHOR: Glinskiy, A. A.

TITLE: The temperature dependence of the velocity of ultrasonics in liquids at constant density

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1962, 45, abstract 9B258 (Sb. "Primeneniye ul'traakust. k issled. veshchestva". no. 15, M., 1961, 193-197)

TEXT: The method for calculating the velocity of sound in liquids, based on establishing a connection between different properties of the liquid and using thermodynamic relationships (RZhKhim., no. 2, 1957, 3897), is used to calculate the velocity of sound in a liquid at constant density as dependent on temperature. A formula is obtained, by which it is possible to calculate the velocity of sound in liquids at constant density, given the equilibrium density and surface tension in relation to temperature. The theoretical and experimental linear relations of the velocity of sound to temperature for ethyl acetate have the same slope, though the absolute calculated velocities are approximately 20% less than those observed.

Card 1/2

The temperature dependence of the ...   S/081/62/000/009/009/075
                                           B177/B186

The sign of the temperature coefficient of velocity and the mutual
arrangement of the curves all coincide with those found by more accurate
methods. This formula enables the velocity of sound in a liquid to be
calculated as a function of pressure for constant temperature. Comparison
of this calculation with experimental data (RZhKhim, no. 16, 1958, 60066)
for benzene also gives practically the same curve pattern, though the
absolute values are somewhat different. [Abstracter's note: Complete
translation.]

Card 2/2

S/081/62/000/009/010/075
3177/3159

24.1200

AUTHOR: Glinskiy, A. A.

TITLE: The absorption of ultrasonic waves in associated liquids

PERIODICAL: Referativnyy zhurnal. Fizika, no. 9, 1962, 49,
               abstract 9I490 (Sb. "Primeneniye ul'traakust. k issled.
               veshchestva". no. 14, M., 1961, 349-356)

TEXT: An associated liquid is regarded as a "low-pass filter," i.e. as
a chain of equidistant uniform masses, interconnected by elastic and non-
elastic forces. For such a filter the coefficient of absorption is zero
for all frequencies less than a certain cut-off frequency, from which it
begins to rise very sharply. This model applies chiefly to the acoustic
properties of normal spirits, in which the formation of molecular
complexes in the form of linear chains of molecules is already firmly
established. It is shown that absorption in the liquid becomes greater,
the longer the chains of complexes forming in it. The length to which a
perturbation is propagated along the chain, owing to natural oscillation
of the complexes, is 5-16 molecular diameters for spirits. Calculations

Card 1/2

The absorption of ultrasonic waves ...   S/051/62/011/019/019/075
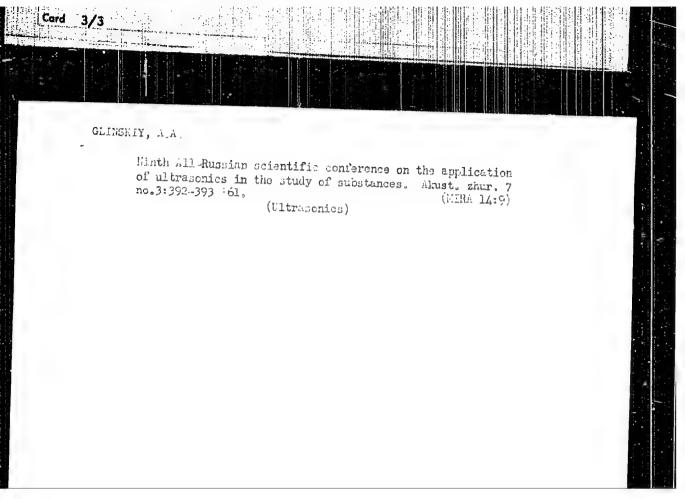   B177/B186

were performed for the following spirits: methyl alcohol, ethyl alcohol, n-propyl alcohol, n-butyl alcohol and n-amyl alcohol. Estimated dimensions of the associates, derived from ultrasonic measurements, do not contradict those from non-acoustic measurements, except in the case of methyl alcohol. The author ascribes this exception to the fact that associates in methyl alcohol may differ in form from linear chains of molecules. On the basis of the proposed model, the propagation of ultrasonics is also examined in CS_2, C_6H_6, CCl_4, toluene, acetone and chloroform. Abstracter's note: Complete translation.

Card 2/2

$$c^2 = \frac{\gamma m n \Phi_0}{\mu} + \gamma_{id} RT/M$$

where γ -- ratio of the specific heats, γ_{id} -- the same ratio for
an ideal gas, Φ_0 -- depth of potential well, m, n -- exponents in
the expression for the potential of the energy of interaction be-
tween molecules

$$\Phi = \frac{A}{v_a} - \frac{B}{v^m}$$

If the external interaction leads to changes in the potential energy
Φ, so that it is determined by a volume v different from the

Card 3/3

GLINSKIY, A.A.

Ninth All-Russian scientific conference on the application
of ultrasonics in the study of substances. Akust. zhur. 7
no.3:392-393 '61.
                        (MIRA 14:9)
          (Ultrasonics)

S/058/63/000/001/105/120
A062/A101

AUTHOR: Glinskiy, A. A.

TITLE: On the anomaly of the temperature coefficient of ultrasonic wave
            velocity in water

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 69, abstract 1Zh409
            (In collection: "Primeneniye ul'traakust. k issled. veshchestva",
            no. 16, Moscow, 1962, 123 - 129)

TEXT: The relation between the sound velocity and the molecular inter-
action allows one to obtain a correlation for computing the sound velocity in
liquids on the saturation line

$$c^2 = \frac{fm \cdot n \cdot f_0}{M} + \gamma_{1d} RT/M,$$

where f is the ratio of thermal capacities, γ_{1d} - the same ratio for an ideal
gas, f_0 - the depth of the potential well, m, n - power exponents in the expres-
sion for the potential energy of the molecular interaction.

Card 1/2

On the anomaly of the temperature...

$$\bar{\Sigma} = \frac{A}{v^n} - \frac{B}{v^m} \ .$$

If the external interaction brings about changes of the potential energy Φ, so that it is determined by the volume v_H different from the equilibrium one, then the formula for the sound velocity takes on the form:

$$c^2 = \frac{mn \, \Phi_0}{M}\left[\frac{n+1}{n-m}\left(\frac{v_0}{v_H}\right)^n - \frac{m+1}{n-m}\left(\frac{v_0}{v_H}\right)^m\right] + \gamma_{1d}RT/M.$$

Recently obtained experimental data on sound velocities in water are compared with the formulae given above. The first of these formulae gives a good agreement at temperatures higher than 80°C, while in the range 0 - 80°C an anomalous behavior is observed. This anomalous behavior may be explained by structural effects. It is assumed that water has two structures, a loose and a rigid one, the sound propagation in the 0 - 80°C range being determined by the loose structure. The author suggests a method for determining v_H of the loose structure. Substitution of this value in the last one of the formulae yields a sufficient agreement with the experiment. There are 15 references.

[Abstracter's note: Complete translation]   I. Ratinakaya
Card 2/2

S/058/63/000/001/115/120
A062/A101

AUTHOR: Glinskiy, A. A.

TITLE: On the propagation of ultra-sound waves in compressed nitrogen

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 73, abstract 1Zh436
               (In collection: "Primeneniye ul'trakust. k issled. veshchestva",
               no. 16, Moscow, 1962, 131 - 138)

TEXT: A formula was obtained for calculating the speed of sound in com-
pressed gases. An attempt was made to utilize the Leonard-Johnson potential $\varphi (r)$
for calculations in compressed gases. These calculations were carried out in com-
pressed nitrogen at $t = 20^{\circ}C$ making use of experimental data. Curves of the de-
pendence of the sound velocity on the pressure were plotted. With the aid of the
dependence curve $\rho (r)$, the decrease of the sound velocity with the pressure at
pressures up to 500 atm. is explained. The calculation of speed of sound was also
carried out in compressed argon. Theoretically an inversion of the temperature
coefficient of the velocity is predicted. The temperature dependence of the sound
speed in nitrogen is shown, the temperature being calculated by means of a formula

Card 1/2

On the propagation of...

S/058/63/000/001/115/120
A062/A101

suggested by the author for a constant density 360 amagat units. The points on the curve were found by interpolation of experimental data. Calculation was made of the temperature dependence of the speed at p-const. and v-const in accordance with the author's formula. These values are, in comparison with data of other workers, lower by not more than 15% and correctly describe the decrease of velocity with the temperature at p-const and its growth at v-const.

I. Nikolayeva

[Abstracter's note: Complete translation]

Card 2/2

43207
S/046/62/008/004/012/017
B108/B186

AUTHOR: Glinskiy, A. A.

TITLE: On the propagation of ultrasonic waves in compressed
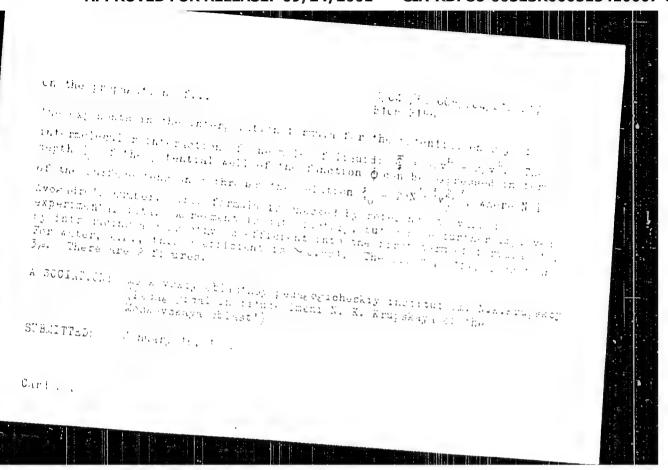   liquids

PERIODICAL: Akusticheskiy zhurnal, v. 8, no. 4, 1962, 466-471

TEXT: In a previous paper (Collection "Primen. ul'traakustiki k issled.
veshchestva" (The use of ultrasonics in studying substances), M., MoPI,
1961, 5, 193-197) the author had derived the formula

$$c^2 = \frac{\gamma mn \Phi_0}{M}\left[\frac{n+1}{n-m}\left(\frac{r_0}{v_{_M}}\right)^n - \frac{m+1}{n-m}\left(\frac{r_0}{v_{_M}}\right)^m\right] + \frac{\gamma_{_{M,4}}RT}{M}, \qquad (1)$$

for calculating the velocity of sound in compressed liquids. $v_{_0}$ is the
molar volume of liquid in equilibrium with its saturated vapor, $v_{_M}$ is the
molar volume at a pressure greater than that of the saturated vapor, M is
the molecular weight, $\gamma = c_{_p}/c_{_v}$, $\gamma_{_{M,4}}$ is this ratio for $v \to 0$. m and n are

Card 1/4

On the propa ... n f...

... in the inter ... l ... for the ... ... intermediar ... interaction f ... of liquid ... ... depth ... of the ... ential ... of the function ϕ ... ... represented in the ... of the ... ... n ... thr ... the ... ition ... where N ... ... water. ... formula ... ... experiment ... ... water, ... into the first term ... ... There are 3 figures.

A SOCIATION: ... ... Pedagogicheskiy Institut ... ... imeni N. K. Krupskaya ... ... Moskovskaya Oblast')

SUBMITTED: ... ...

Card ...

AUTHOR: Glinskiy, A. A.

TITLE: Temperature dependence of ultrasound propagation velocities in compressed gases

PERIODICAL: Akusticheskiy zhurnal, v. 9, no. 1, 1963, 1?? - ???

TEXT: On the basis of the statistical theory of compressed gases the inversion of the temperature coefficient of sound velocity as a function of pressure is studied. The formula of sound velocity

$$c^2 = \frac{z v_1^2}{2\kappa} \left[\frac{\partial^2 q(v_1)}{\partial v_1^2} \right]_T + c_0 \frac{z T}{?} . \qquad (4)$$

is derived from the thermodynamic equation

$$\frac{c^4}{T} = T \left[\frac{\partial \left(\frac{c^2}{T} \right)}{\partial T} \right]_v + \frac{v^2}{M} \left(\frac{\partial^2 E}{\partial v^2} \right)_T , \qquad (3)$$

Card 1/2

Temperature dependence of ultrasound...   S/046/63/000/001/023/026
                                                           B104/B186

When E is given by the equation of state

$$E = \frac{i+3}{2} RT + \frac{1}{2} N_{z} \psi(r).$$ (2).

Formula (1) makes it possible to explain the inversion from the form of
the pair-interaction potential $\psi(r)$. Here, $r_{m,n}$ is the value of r with $z \to \infty$,
m is the molecular mass, v_{1} is the volume belonging to one molecule. In a
wide pressure range a qualitative accordance between calculation results ob-
tained with

$$\psi(r) = 4\varepsilon \left[\left(\frac{\sigma}{r} \right)^{12} - \left(\frac{\sigma}{r} \right)^{6} \right].$$ (5)

and experimental data is achieved for z = 2 and a = 1. This corresponds to
sound propagation along one-dimensional chains of molecules neglecting
shear tensions. At low pressures the values obtained with a = 2 and a = 1
are smaller than those obtained with z = 6 and a = 1. At pressures of
4000 - 9000 atm the values obtained with z = 12 and a = 2 agree with
those obtained with z = 2 and a = 1. There are 4 figures.

ASSOCIATION: Moskovskiy oblastnoy pedagogicheskiy institut im. N. K. Krupskoy
             (Moscow Oblast' Pedagogical Institute imeni N. K. Krupskaya)
SUBMITTED: May 22, 1962
Card 2/2

ACCESSION NR: AP4036580

AUTHOR: Glinskiy, A. A.

S/0139/64/000/002/0185/0186

TITLE: Computation of sound velocities in compressed fluids

SOURCE: IVUZ. Fizika, no. 2, 1964, 185-186

TOPIC TAGS: sound velocity, compressed fluid, calorific equation of state, thermodynamics, molecular weight, molar volume, heat capacity

ABSTRACT: Under certain simplified assumptions, knowing the calorific equation of state, the author computes the dependence of sound velocity on pressure. He shows that this can be done from knowledge of the properties of the fluid alone, when the fluid is in equilibrium with its saturated vapor. He shows how to avoid certain previous limitations. Orig. art. has: 2 figures and 8 formulas.

ASSOCIATION: Moskovskiy podinstitut imeni N. K. Krupskoy (Moscow Pedagogical Institute)

SUBMITTED: 10Dec62

DATE ACQ: 05Jun64

ENCL: 00

Card 1/2

ACCESSION NR: AP4036580

SUB CODE: AI

NO REF SOV: 003

OTHER: 002

Card 2/2

L 28511-66   EWP(k)/EWT(1)/EWT(m)/T/EWP(t)/ETI   IJP(c)   JD

ACC NR: AR6016782   SOURCE CODE: UR/0081/65/000/023/B084/B084

AUTHOR: Glinskiy, A. A.

TITLE: The mechanism of the ultrasound effect on formation of primary crystallization centers in melts.

SOURCE: Ref. zh. Khimiya, Abs. 23B620

REF SOURCE: Sb. Primeneniye ul'traakust. k issled. veshchestva. Vyp. 20. M., 1964, 3-10

TOPIC TAGS: ultrasonic effect, metal melting, crystallization

ABSTRACT: An analysis is made of the possible causes of the development of a fine-grained structure in an ingot, and of the decrease in the crystallization time under the effect of ultrasound. One of the causes is the influence of ultrasound on the rate of formation of crystallization centers. It is assumed that the difference in the specific free energies of the liquid and solid phases can be expressed as the sum of (a) the energies which are independent of changes in volume resulting from the action of the sound field and (b) the energy which depends on these changes. The relative increase in the number of crystallization centers and the decrease in time required for solidification of an ingot exposed to ultrasound under isothermal conditions are calculated.
                                                                            O. Abramov.

SUB CODE: 11, 20/ SUBM DATE: none

Card 1/1